

Spectrum histogram settings:

- Number of bins
- Minimum bin value
- Maximum bin value
- Aggregate runs

Spectrum histogram calibration:

- Option to run in calibration mode
- Select points on calibration curve
- Known energy of peak at selected point
- Display corresponding pulse unit (settable via number entry or using 3rd horizontal slider tab)

The screenshot shows a software interface with four tabs: 'Scope Controls', 'Spectrum Settings', 'Graphical Options', and 'Data Storage'. The 'Spectrum Settings' tab is active and contains three sub-sections: 'Histogram', 'Analysis', and 'Calibration'.
- The 'Histogram' section has a dropdown for 'Channel 0', three numeric input fields for 'Number of bins' (100), 'Minimum bin' (0), and 'Maximum bin' (30000), and a checkbox for 'Aggregate runs'.
- The 'Analysis' section has radio buttons for 'PHS' and 'PAS' (selected), two numeric input fields for 'LLD (ADC/keV)' (0) and 'ULD (ADC/keV)' (100000), a checkbox for 'Use LD trigger', and a dropdown for 'LD trigger' (Channel 0).
- The 'Calibration' section has a checkbox for 'Calibration Mode', a dropdown for 'Point 0' (labeled 'Calibration Point'), two numeric input fields for 'Calibration Energy (keV)' (0) and 'Pulse Unit (ADC)' (1), and two buttons: 'Set Point' and 'Calibrate'.
Three arrows point to the interface: one from the 'Spectrum histogram settings' text to the 'Histogram' section, one from the 'Spectrum histogram calibration' text to the 'Calibration' section, and one from the 'Spectrum analysis' text to the 'Analysis' section.

Spectrum analysis:

- Choose “pulse area spectrum” (PAS) or “pulse height spectrum” (PHS)
- Lower level discriminator bin
- Upper level discriminator bin
- LD trigger: only trigger on pulses between LLD and ULD bins
- LD trigger channel setting